



# PERSONNEL QUALIFICATION STANDARD FOR

## SEABEE COMBAT WARFARE (SCW), COMMON CORE

NAME (Rate/Rank) \_\_\_\_\_

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Although the words "he," "him," and "his" are used sparingly in this manual to enhance communication, they are not intended to be gender driven nor to affront or discriminate against anyone reading this material.

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## PREFACE

Warfare Qualified Sailors are an essential element of our Navy's Operational Primacy. The objective of the Seabee Combat Warfare (SCW) Program is to provide the candidate an introduction into the processes and topics necessary to support the warfighting requirements of our Navy. This personnel warfare qualification standard will focus on mission effectiveness, combat readiness and survivability as well as introducing an overall understanding of how an individual unit mission fits into and supports naval doctrine and its objectives. Experience shows it is essential that every warrior in our Navy be totally familiar with the mission of their command and be able to apply this knowledge to support the successful execution of the command's current and future missions.

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# INTRODUCTION

## PQS PROGRAM

This PQS program is a qualification system for officer and enlisted personnel where certification of a minimum level of competency is required prior to qualifying Seabee Combat Warfare Specialist. A PQS is a compilation of the minimum knowledge and tasks that an individual must demonstrate in order to earn and wear a warfare pin. The objective of PQS is to standardize and facilitate these qualifications.

## CANCELLATION

This Standard cancels and supersedes NAVEDTRA 43535.

## APPLICABILITY

This PQS is applicable to all personnel serving in Naval Construction Force units, which are authorized to grant Seabee Combat Warfare designations IAW OPNAVINST 1410.1 (Series).

## TAILORING

To command tailor this package, first have it reviewed by one or more of your most qualified individuals, submitted to, and approved by the NCF SCW Model Manager (Code Seabee).

## QUALIFIER

The PQS Qualifier is designated in writing by the Commanding Officer to sign off individual watchstations. Qualifiers will normally be E-5 or above and, as a minimum, must have completed the PQS they are authorized to sign off. The names of designated Qualifiers should be made known to all members of the unit or battalion. The means of maintaining this listing is at the discretion of individual commands. For more information on the duties and responsibilities of PQS Qualifiers, see the PQS Management Guide.



## INTRODUCTION (CONT'D)

### CONTENTS

PQS is divided into three sections. The 100 Section (Fundamentals) contains the fundamental knowledge or book learning necessary for satisfactory understanding of the watchstation/workstation duties. The 200 Section (Systems) is designed to acquaint you with the systems you will be required to operate at your watchstation/workstation. The 300 Section (Watchstations) lists the tasks you will be required to satisfactorily perform in order to achieve final PQS qualification for a particular watchstation/workstation. All three sections may not apply to this PQS, but where applicable, detailed explanations are provided at the front of each section.

### REFERENCES

The references used during the writing of this PQS package were the latest available to the workshop, however, the most current references available should be used when qualifying with this Standard. Classified references may be used in the development of PQS. If such references are used, do not make notes in this book as answers to questions in this Standard may be classified.

### TRAINEE

Your supervisor will tell you which watchstations/workstations you are to complete and in what order. Before getting started, turn to the 300 Section first and find your watchstation/workstation. This will tell you what you should do before starting your watchstation/workstation tasks. You may be required to complete another PQS, a school, or other watchstations/workstations within this package. It will also tell you which fundamentals and/or systems from this package you must complete prior to qualification at your watchstation/workstation. If you have any questions or are unable to locate references, contact your supervisor or qualifier. Good luck!

### PQS FEEDBACK REPORTS

This PQS was developed using information available at the time of writing. When equipment and requirements change, the PQS needs to be revised. The only way the PQS Development Group knows of these changes is by you, the user, telling us either in a letter or via the Feedback Report contained in the back of this book. You can tell of us new systems and requirements, or of errors you find.

## ACRONYMS USED IN THIS PQS

Not all acronyms or abbreviations used in this PQS are defined here. The Subject Matter Experts from the Fleet who wrote this Standard determined the following acronyms or abbreviations may not be commonly known throughout their community and should be defined to avoid confusion. If there is a question concerning an acronym or abbreviation not spelled out on this page nor anywhere else in the Standard, use the references listed on the line item containing the acronym or abbreviation in question.

ABFC	Advance Base Functional Component
ACR	Allowance Change Request
AMC	Air Mobility Command
CBR	Chemical Biological Radiological
CESE	Civil Engineer Support Equipment
CINC	Fleet Commander in Chief
CMC	Command Master Chief
CNO	Chief of Navy Operations
COMSEC	Communication Security
COSAL	Coordinated Shipboard/Shorebased Allowance List
CPO	Chemical Protective Overgarment
DRMO	Defense Reutilization Marketing Office
EDVR	Enlisted Distribution Verification Report
EMP	Electromagnetic Pulse
EPW	Enemy Prisoner of War
GFCI	Ground Fault Circuit Interruption
HM/HW	Hazardous Material/Hazardous Waste
LOGREQ	Logistical Requirements
MAGTF	Marine Air/Ground Task Force
MCPON	Master Chief Petty Officer of the Navy
MOCC	Mount Out Control Center
MOV	Material Obligation Validation
MSDS	Material Safety Data Sheet
NAAK	Nerve Agent Antidote Kit MK 1
NATO	North Atlantic Treaty Organization
NCB	Navy Construction Brigade
NCF	Naval Construction Force
NCR	Naval Construction Regiment
OPLANS	Operational Plans
OPORDS	Operational Orders
OPREP	Operational Report
OPTAR	Operating Target
Oxime	Atropine/pralidoxime chloride
PCB	Polychlorinated Biphenyls
PCR	Project Control Report
PD	Priority Designator
PPE	Personal Protection Equipment

## ACRONYMS USED IN THIS PQS (CONT'D)

PRCP	Personnel Readiness Capability Program
PSR	Project Status Report
QDR	Quality Deficiency Report
RO/RO	Roll On/Roll Off
ROD	Report of Deficiency
RRR	Rapid Runway Repair
SECNAV	Secretary of the Navy
SITREP	Situation Report
SORTS	Status of Resources and Training System
SSAP	Seabee Skills Assessment Program
TPI	Two-Person Integrity

## 100 INTRODUCTION TO FUNDAMENTALS

### 100.1 INTRODUCTION

This PQS begins with a Fundamentals section covering the basic knowledge and principles needed to understand the equipment or duties to be studied. Normally, you would have acquired the knowledge required in the Fundamentals section during the school phase of your training. If you have not been to school or if you need a refresher, the references listed at the beginning of each fundamental will aid you in a self-study program. All references cited for study are selected according to their credibility and availability.

### 100.2 HOW TO COMPLETE

The fundamentals you will have to complete are listed in the watchstation (300 section) for each watchstation. You should complete all required fundamentals before starting the systems and watchstation portions of this PQS, since knowledge gained from fundamentals will aid you in understanding the systems and your watchstation tasks. When you feel you have a complete understanding of one fundamental or more, contact your Qualifier. If you are attempting initial qualification, your Qualifier will expect you to satisfactorily answer all line items in the fundamentals before signing off completion of that fundamental. If you are requalifying or have completed the appropriate schools, your Qualifier may require you to answer representative line items to determine if you have retained the necessary knowledge for your watchstation. If your command requires an oral board or written examination for final qualification, you may be asked any questions from the fundamentals required for your watchstation.



101.1 SUGGESTED READING

**NO SINGLE BOOK OR GROUP OF BOOKS CONTAINED IN THIS FUNDAMENTAL SECTION IS INTENDED TO BE A MANDATORY READING ITEM WHEN COMPLETING THIS PQS MANUAL.**

## 101.1.1 RECOMMENDED READING:

THE SEABEE READING LIST IS INCLUDED AS A SOURCE OF SUPPLEMENTAL READING FOR PERSONNEL, WHO DESIRE TO OBTAIN ADDITIONAL INFORMATION WHICH SUPPORTS THE HERITAGE AND DOCTRINE FUNDAMENTALS CONTAINED IN THIS COMMON CORE PQS MANUAL. **THE INFORMATION CONTAINED IN THESE SUGGESTED READING BOOKS SHOULD NOT BE USED AS WRITTEN OR ORAL BOARD TESTING MATERIAL.**

THE DEFENSE OF DUFFER'S DRIFT – E. D. SWINTON  
 BUILDERS OF BATTLE (1946) – DAVID O. WOODBURY  
 BUILDING THE NAVY BASE'S IN WORLD WAR II (V1 & 2 1947)  
 CAN DO! (1944) – WILLIAM BRADFORD HULE  
 CAN DO, WILL DO! (1987) – NAVY SEABEES VETERANS OF AMERICA  
 THE CIVILIZED ENGINEER (1970) – SAMUEL C. FLORMAN  
 GREAT ENGINEER (1970) – CONRAD MATSCHOSS TRANSLATED  
 BY H. STAFFORD HATIFIELD  
 A HISTORY OF CIVIL ENGINEERING (1952) – HANS STRAUB  
 SEABEE: BILL SCOTT BUILDS AND FIGHTS FOR THE NAVY (1944) – HENRY B. LENT  
 THE SEABEES OF WORLD WAR II (1963) – EDMUND L. CASTILLO  
 THE DAMMED ENGINEERS (1985) – JANICE HOLT GUILLES  
 ENGINEERING AND THE MIND'S EYE (1992) – EUGENE S. FERGUSON  
 THE BRIDGE AT DONG HA (1989) – JOHN GRIDER MILLER  
 SOUTHEAST ASIA: BUILDING THE BASE (1975) – RICHARD TREGASKIS  
 FIVE STAR LEADERSHIP: THE ART AND STRATEGY OF CREATING LEADERS  
 AT EVERY LEVEL - PATRICK L. TOWNSEND, JOAN E. GEBHARDT,  
 AND FORWARD BY NANCY K. AUSTIN  
 MARINE: A GUIDE TOUR TO A MARINE EXPEDITIONARY UNIT - TOM CLANCY

## **101      PROFESSIONAL LIBRARY (CONT'D)**

### **101.1.2      SUPPLEMENTAL READING:**

**THE FOLLOWING LISTS ARE INCLUDED AS A SOURCE OF SUPPLEMENTAL READING FOR PERSONNEL WHO DESIRE TO OBTAIN ADDITIONAL INFORMATION WHICH SUPPORTS THE HERITAGE AND DOCTRINE FUNDAMENTALS CONTAINED IN THIS COMMON CORE PQS MANUAL. ADDITIONALLY, THE INFORMATION CONTAINED IN THESE SUGGESTED READING BOOKS SHOULD NOT BE USED AS WRITTEN OR ORAL BOARD TESTING MATERIAL.**

The MCPON's "Naval Heritage and Core Values" Reading List, Parts "A" and "B".

**AS THE MCPON READING LIST IS UPDATED ANNUALLY, THE MOST CURRENT VERSION CAN BE FOUND IN THE MCPON DIRECTLINE PUBLICATION OR THROUGH THE INTERNET AT EITHER OF THE FOLLOWING WEB ADDRESSES:**

[www.chinfo.navy.mil/navpalib/mcpon/readgide.htm](http://www.chinfo.navy.mil/navpalib/mcpon/readgide.htm)

[www.history.navy.mil/faqs/faq46-7.htm](http://www.history.navy.mil/faqs/faq46-7.htm)

## 102 NAVAL HERITAGE AND DOCTRINE FUNDAMENTALS

### References:

- [a] Naval Doctrine Publication 1, Naval Warfare
  - [b] Naval Doctrine Publication 5, Naval Planning
  - [c] NAVFAC P-315, Naval Construction Force Manual
  - [d] NAVEDTRA 12003, Seabee Combat Handbook, Volume 1
- 

102.1 State the six areas of Naval Doctrine. [ref. a, Introduction]

\_\_\_\_\_  
(Signature and Date)

.2 Discuss the conditions that led to the formation of the U.S. Navy. [ref. a, ch. 1]

\_\_\_\_\_  
(Signature and Date)

.3 State the qualities that characterize the Navy/Marine Corps team as instruments to support national policies. [ref. d, ch. 1]

\_\_\_\_\_  
(Signature and Date)

.4 Discuss the conditions that led to the creation of the Seabees. [ref. d, ch. 1]

\_\_\_\_\_  
(Signature and Date)

.5 Discuss the significance of March 5, 1942 as it pertains to the Seabees.  
[ref. d, ch. 1]

\_\_\_\_\_  
(Signature and Date)

.6 Discuss the significance of the following personnel: [ref. c, app. A]

- a. Admiral Ben Moreell
- b. CM3 Marvin Shields

\_\_\_\_\_  
(Signature and Date)



## **102      NAVAL HERITAGE AND DOCTRINE FUNDAMENTALS (CONT'D)**

102.7      State the importance of planning to Naval Operations. [ref. b, ch. 1]

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(Signature and Date)

.8      Discuss the significant contributions made by the Seabees during the following periods: [ref. c, app. A]

- a.      World War II
- b.      Korea
- c.      Vietnam
- d.      Post Vietnam

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(Signature and Date)

.9      Identify and explain the purpose of the following ratings: [ref. a, ch. 2]

- a.      BU
- b.      CE
- c.      CM
- d.      EA
- e.      EO
- f.      SW
- g.      UT

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(Signature and Date)

.10      State the purpose of the Civil Engineer Corps (CEC). [ref. b, ch. 1]

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(Signature and Date)

**103 ADMINISTRATIVE/COMMAND AND CONTROL FUNDAMENTALS**

## References:

- [a] The Bluejackets' Manual 21<sup>st</sup> Edition
  - [b] NAVFAC P-315, Naval Construction Force Manual
  - [c] OPNAVINST 1306.2, Fleet, Force, and Command Master Chief Program
  - [d] NAVEDTRA 12003, Seabee Combat Handbook, Volume 1
  - [e] 10804 UM-01, Enlisted Distribution and Verification Report Users Manual
  - [f] NAVEDTRA 12801, Radioman Communications
  - [g] SECNAVINST 5216.5D, Correspondence Manual
  - [h] NAVPERS 15550, Naval Military Personnel Manual
  - [i] NAVEDTRA 10047, Military Requirements for Chief Petty Officer
  - [j] BUPERSINST 1610.10, Evaluation and Fitness Reports
  - [k] NAVEDTRA 12609, Legalman
  - [l] OPNAVINST 3100.6F, Special Incident Reporting
  - [m] NWP 10-1-10(A), Operational Reports
  - [n] NWP 10-1-11, Status of Resources and Training System (SORTS)
  - [o] NAVFAC P-1107, Seabee Skills Assessment Program
  - [p] NAVEDTRA 12004, Seabee Combat Handbook, Volume 2
- 

103.1 Discuss the following as they apply to the administrative chain of command:  
[ref. a, app. A]

- a. Secretary of the Navy (SECNAV)
- b. Chief of Naval Operations (CNO)
- c. Fleet Commander in Chief (CINC)
- d. Naval Construction Brigade (NCB)
- e. Naval Construction Regiment (NCR)

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(Signature and Date)

.2 Discuss the role of the following:

- a. Master Chief Petty Officer of the Navy (MCPON) [ref. a, ch. 9]
- b. Fleet Master Chief [ref. c, sec. E]
- c. Force Master Chief [ref. c, sec. E]
- d. Command Master Chief (CMC) [ref. c, sec. E]

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(Signature and Date)

## 103 ADMINISTRATIVE/COMMAND AND CONTROL FUNDAMENTALS (CONT'D)

103 .3 Describe the duties and responsibilities of the following personnel:

- a. Commanding Officer [ref. a, ch. 14]
- b. Executive Officer [ref. a, ch. 14]
- c. Command Master Chief [ref. a, ch. 14]
- d. S-1 Admin Officer [ref. b, ch. 4]
- e. S-2 Intel Officer [ref. b, ch. 5]
- f. S-3 Operations Officer [ref. b, ch. 6]
- g. S-4 Supply Officer [ref. b, ch. 7]
- h. S-7 Training Officer [ref. b, ch. 5]
- i. Company Commander [ref. b, ch. 8]
- j. Platoon Commander [ref. b, ch. 8]
- k. Right Guide [ref. b, ch. 8]
- l. Squad Leader [ref. b, ch. 8]
- m. Fire Team Leader [ref. b, ch. 8]

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(Signature and Date)

.4 Discuss the mission of the following commands: [ref. d, ch. 1]

- a. Naval Mobile Construction Battalion (NMCB)
- b. Construction Battalion Unit (CBU)
- c. Construction Battalion Maintenance Unit (CBMU)
- d. Amphibious Construction Battalion (PHIBCB)
- e. Underwater Construction Team (UCT)
- f. Civic Action Team (CAT)
- g. Naval Construction Force Support Unit (NCFSU)
- h. Naval Construction Brigade (NCB)
- i. Naval Construction Regiment (NCR)

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(Signature and Date)

.5 Define operational and administrative control. [ref. d, ch. 1]

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(Signature and Date)

.6 Discuss the purpose of Operational Plans (OPLANs), Operational Orders (OPORDs), and Warning Orders. [ref. d, chs. 4, 11]

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(Signature and Date)

## **103 ADMINISTRATIVE CHAIN OF COMMAND FUNDAMENTALS (CONT'D)**

- 103.7 State the purpose and discuss the contents of the Enlisted Distribution Verification Report (EDVR). [ref. e, ch. 1]

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(Signature and Date)

- .8 Explain the use of the following:

- a. Naval message [ref. f, ch. 6]
- b. E-mail [ref. g, sec. D]

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(Signature and Date)

- .9 Explain what each of the following enlisted service record pages are and what entries are made on each: [ref. h, sec. 5030220]

- a. Page 2
- b. Page 4
- c. Page 13

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(Signature and Date)

- .10 Discuss the purpose and general rules for the following types of counseling:

- a. Personnel [ref. i, ch. 4]
- b. Performance [ref. j, app. C]

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(Signature and Date)

- .11 Explain the use of a Report and Disposition of Offense(s) (NAVPERS Form 1626/7). [ref. k, ch. 5]

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(Signature and Date)

- .12 Discuss the purpose of the following:

- a. Operation Report (OPREP) [ref. l, ch. 2]
- b. Logistical Requirements (LOGREQ) [ref. m, ch. 7]
- c. Status of Resources and Training System (SORTS) [ref. n, ch. 1]
- d. Situation Report (SITREP) [ref. l, ch. 2]

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(Signature and Date)

## **103 ADMINISTRATIVE/COMMAND AND CONTROL FUNDAMENTALS (CONT'D)**

103.13 Explain the difference between a security clearance and access. [ref. a, ch. 7]

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(Signature and Date)

.14 Discuss the Seabee Skills Assessment Program (SSAP). [ref. o, ch. 1]

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(Signature and Date)

.15 Describe the command relationship between a Naval Construction Force unit and a Marine Air/Ground Task Force (MAGTF) unit. [ref. p, ch. 1]

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(Signature and Date)

.16 Discuss your responsibilities and conduct required as a combatant under the Laws of Armed Conflict. [ref. d, ch. 1]

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(Signature and Date)

## 104 GENERAL SAFETY FUNDAMENTALS

### References:

- [a] OPNAVINST 5100.23D, Navy Occupational Safety and Health (NAVOSH) Program Manual
  - [b] COMSECONDNCB/COMTHIRDNCB INSTRUCTION 5100.1, Navy Construction Safety Manual
  - [c] Industrial/Construction Standards 29 CFR 1910/1926
  - [d] NAVEDTRA 10636-J, Construction Electrician 3 & 2
  - [e] The Bluejackets' Manual 21<sup>st</sup> Edition
  - [f] NAVEDTRA 12971, Naval Safety Supervisor
- 

104.1 Explain the responsibilities of the following personnel as applied to safety:  
[ref. b, ch. 2]

- a. Commanding Officer
- b. Executive Officer
- c. Safety Officer
- d. Department Head/Company Commander
- e. Supervisor
- f. Crew leader
- g. Safety Petty Officer
- h. All hands

\_\_\_\_\_  
(Signature and Date)

.2 Explain the functions of the Safety Policy Committee and the Safety Supervisors Committee. [ref. a, chs. 2, 3]

\_\_\_\_\_  
(Signature and Date)

.3 Discuss the purpose of a mishap investigation and who's responsible for conducting the investigation. [ref. f, ch. 4]

\_\_\_\_\_  
(Signature and Date)

.4 Explain the different types of eye protection and when are they required.  
[ref. a, ch. 19]

\_\_\_\_\_  
(Signature and Date)

## **104 GENERAL SAFETY FUNDAMENTALS (CONT'D)**

- 104.5 Discuss the Hearing Conservation Program and when personnel are required to be enrolled. [ref. a, ch. 18]

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(Signature and Date)

- .6 Explain the different types of hearing protection and when are they required. [ref. a, ch. 18]

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(Signature and Date)

- .7 Explain the maintenance and use of Personal Protective Equipment (PPE) and why it is necessary. [ref. a, chs. 15, 20]

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(Signature and Date)

- .8 State the purpose of temporary electrical power sources and explain source inspection and certification requirements. [ref. b, ch. 24]

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(Signature and Date)

- .9 Explain when Ground Fault Circuit Interruption (GFCI) protection is required. [ref. c]

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(Signature and Date)

- .10 Explain the electrical and power equipment inspection requirements. [ref. b, ch. 24]

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(Signature and Date)

- .11 Discuss when lockout/tag-out procedures for electrical and energy sources are required. [ref. b, ch. 24]

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(Signature and Date)

- .12 Define confined space and discuss the hazards associated with it. [ref. c]

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(Signature and Date)

## **104      GENERAL SAFETY FUNDAMENTALS (CONT'D)**

- 104.13    Explain who is authorized to certify a confined space as safe for entry/work.  
[ref. b, ch. 27]

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(Signature and Date)

- .14    Discuss the three basic types of respirators and explain their use, care, and selection. [ref. a, ch. 15]

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(Signature and Date)

- .15    Discuss the importance of the Industrial Hygiene and Work Place Monitoring program. [ref. a, ch. 8]

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(Signature and Date)

- .16    Discuss the basic reporting procedures required when an unsafe/unhealthful working condition report is submitted. [ref. a, ch. 10]

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(Signature and Date)

- .17    Explain the purpose of good housekeeping. [ref. b, ch. 9]

---

(Signature and Date)

- .18    Explain the importance of properly grounding portable electrical distribution systems. [ref. d, ch. 4]

---

(Signature and Date)

- .19    Discuss the four general classes of fires and what type of extinguishers are used on each. [ref. e, ch. 18]

---

(Signature and Date)

- .20    Discuss the purpose of safety stand-downs. [ref. f, ch. 1]

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(Signature and Date)



**105 BASIC FIRST AID AND PERSONAL HYGIENE FUNDAMENTALS**

## References:

[a] NAVEDTRA 10669-C, Hospital Corpsman 3 &amp; 2

[b] NAVEDTRA 12003, Seabee Combat Handbook, Volume 1

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105.1 State the sequence to examine an injured person. [ref. b, ch. 10]

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(Signature and Date)

.2 State the reason for not moving an injured person unless absolutely necessary.  
[ref. b, ch. 10]

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(Signature and Date)

.3 Describe the signs, symptoms, and treatment of shock. [ref. b, ch. 10]

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(Signature and Date)

.4 Explain why you should not give an unconscious person anything by mouth.  
[ref. b, ch. 10]

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(Signature and Date)

.5 Describe the three types of bleeding. [ref. b, ch. 10]

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(Signature and Date)

.6 Explain the four methods for controlling bleeding. [ref. b, ch. 10]

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(Signature and Date)

.7 Discuss the major pressure points of the body. [ref. b, ch. 10]

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(Signature and Date)

## **105 BASIC FIRST AID AND PERSONAL HYGIENE FUNDAMENTALS (CONT'D)**

105.8 Describe the first aid treatment for a sucking chest wound. [ref. a, ch. 4]

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(Signature and Date)

.9 Describe the first aid treatment for a person with a suspected spinal injury.  
[ref. b, ch. 10]

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(Signature and Date)

.10 Describe the three degrees of burns. [ref. b, ch. 10]

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(Signature and Date)

.11 Describe the first aid treatment for the following injuries:

- a. White phosphorous burn on back [ref. b, ch. 10]
- b. Chemical burn on arm [ref. b, ch. 10]
- c. Flash burn to eyes [ref. a, ch. 12]
- d. Chemical burn to eyes [ref. b, ch. 10]

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(Signature and Date)

.12 Describe the symptoms and treatment of: [ref. b, ch. 10]

- a. Heat stroke
- b. Heat exhaustion
- c. Heat cramps

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(Signature and Date)

.13 Explain how heat casualties in the field may be prevented. [ref. a, ch. 4]

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(Signature and Date)

.14 Describe frostbite and immersion foot. [ref. b, ch. 10]

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(Signature and Date)

## **105 BASIC FIRST AID AND PERSONAL HYGIENE FUNDAMENTALS (CONT'D)**

- 105.15 Describe the signs and symptoms when general loss of body heat occurs to a person exposed to extreme cold (hypothermia). [ref. b, ch. 10]

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(Signature and Date)

- .16 Explain how cold injuries can be prevented. [ref. a, ch. 4]

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(Signature and Date)

- .17 Describe the symptoms and first aid treatment for a joint dislocation. [ref. a, ch. 4]

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(Signature and Date)

- .18 Explain when and why a cold pack or heat pad would be used on a sprain. [ref. a, ch. 4]

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(Signature and Date)

- .19 Describe the procedure for removing ticks. [ref. a, ch. 11]

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(Signature and Date)

- .20 Describe the first aid treatment for snake bites. [ref. a, ch. 4]

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(Signature and Date)

- .21 Describe the first aid treatment for fractures. [ref. b, ch. 10]

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(Signature and Date)

- .22 Describe how to reinforce a battle dressing. [ref. a, ch. 4]

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(Signature and Date)

## **105 BASIC FIRST AID AND PERSONAL HYGIENE FUNDAMENTALS (CONT'D)**

105.23 Explain the following methods for carrying a casualty: [ref. b, ch. 10]

- a. Fireman's carry
- b. One and two man supporting carry
- c. One and two man arms carry
- d. One and two man saddle back carry
- e. Pack-strap carry
- f. Back lift and carry
- g. Pistol-belt carry
- h. Neck drag
- i. Four-hand (packsaddle) carry
- j. Four-hand arms carry

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(Signature and Date)

.24 Explain the importance of personal hygiene and cite examples. [ref. b, ch. 10]

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(Signature and Date)

.25 Explain three methods of purifying water in the field. [ref. b, ch. 10]

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(Signature and Date)

## 106 HAZARDOUS MATERIAL/HAZARDOUS WASTE/ENVIRONMENTAL SAFETY FUNDAMENTALS

### References:

- [a] OPNAVINST 5100.23D, Navy Occupational Safety and Health (NAVOSH) Program Manual
  - [b] Code of Federal Regulation, Part 29
  - [c] NAVEDTRA 12543, Naval Construction Force/Seabee 1 & C
  - [d] Hazardous Inventory Control System
- 

106.1 State the purpose and information contained on the Material Safety Data Sheet (MSDS). [ref. a, ch. 7]

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.2 What are the six categories of Hazardous Material? [ref. a, ch. B-3]

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.3 Explain storage procedures for incompatible material. [ref. a, ch. B-3]

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.4 Explain the general procedures to be followed when a Hazardous Material /Hazardous Waste (HM/HW) spill is discovered. [ref. a, ch. B-3]

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(Signature and Date)

.5 State the personal protection equipment required when handling HM/HW. [ref. a, ch. B-12]

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(Signature and Date)

.6 Discuss the disposal limitations for the following: [ref. a, ch. 11]

- a. Trash
- b. Garbage
- c. Plastic

## **106 HAZARDOUS MATERIAL/HAZARDOUS WASTE/ENVIRONMENTAL SAFETY FUNDAMENTALS (CONT'D)**

- 106.6
- d. Sewage
  - e. Oily waste
  - f. Paint/mineral spirits
  - g. Metal
  - h. Wood

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(Signature and Date)

- .7 Describe required training for all hands with respect to the HM/HW program.  
[ref. a, ch. 6]

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(Signature and Date)

- .8 Describe the purpose of secondary labeling of hazardous material when removed  
from the original container. [ref. a, ch. 7]

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(Signature and Date)

- .9 Define the following terms: [ref. d]

- a. HAZMINCEN
- b. CHRIMP
- c. HICS
- d. AUL

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(Signature and Date)

- .10 Discuss the aspects of portable containment of oils spills on water. [ref. c, ch. 7]

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**106      HAZARDOUS MATERIAL/HAZARDOUS WASTE/ENVIRONMENTAL SAFETY  
FUNDAMENTALS (CONT'D)**

106.11      Discuss the following: [ref. b, ch. 7]

- a.      Oil spills
- b.      Grubbing operations
- c.      Asbestos
- d.      Polychlorinated Biphenyls (PCB)
- e.      Hazardous warning labels

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(Signature and Date)

## 107 SUPPLY/LOGISTICS FUNDAMENTALS

### References:

- [a] NAVEDTRA 10269-K1, Storekeeper 3 & 2
  - [b] NAVEDTRA 12652, Storekeeper 1 & C
  - [c] NAVEDTRA 12543, Naval Construction Force/Seabee 1 & C
  - [d] NAVSUP P 485, Afloat Supply Procedures Manual
  - [e] COMNAVSURFLANT/COMNAVSURFPACINST 4400.1H, Surface Force Supply Procedures
  - [f] OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
  - [g] Seabee Crewleader's Handbook
  - [h] NAVSUP P 486, Food Service Management-General Messes
  - [i] COMSECONDNCB/COMTHIRDNCBINST 4400.3, NCF Supply Manual
- 

- 107.1 Explain the importance of the Coordinated Shipboard/Shorebased Allowance List (COSAL) in relation to the commands mission and sustainability. [ref. a, ch. 5]

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- .2 Discuss the following processes in reference to the COSAL:  
[ref. a, ch. 5; ref. b, ch. 2]

- a. Validating
- b. Updating

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- .3 Explain how frequently ordered parts effect demand processing. [ref. d, ch. 6]

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- .4 Discuss the purpose of the Material Obligation Validation (MOV) Program.  
[ref. e, ch. 2]

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## **107 SUPPLY/LOGISTICS FUNDAMENTALS (CONT'D)**

107.5 Explain the difference between the two components of the Operating Target (OPTAR). [ref. e, ch. 7]

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(Signature and Date)

.6 Discuss the following:

- a. Departmental budget [ref. e, ch. 7]
- b. Hazardous material reutilization [ref. f, ch. B-3]
- c. Defense Reutilization Marketing Office (DRMO) [ref. d, ch. 3]

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(Signature and Date)

.7 State how credit is distributed for erroneously ordered parts when they are turned back in to supply. [ref. e, ch. 7]

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(Signature and Date)

.8 Define the Uniform Material Movement and Issue Priority System (UMMIPS) and the role it plays with the Priority Designator (PD). [ref. e, ch. 5]

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(Signature and Date)

.9 Define and describe the Basic Daily Food Allowance (BDFA) and state how it affects each crewmember. [ref. h, ch. 2]

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(Signature and Date)

.10 Define the following: [ref. i]

- a. Minor and plant property [app. O]
- b. Personnel support equipment [app. C]
- c. Controlled equipage [ch. 4]
- d. Project Bill of Material [ch. 3]

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(Signature and Date)

.11 Explain the purpose of the Allowance Change Request (ACR). [ref. c, ch. 6]

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(Signature and Date)

## **107      SUPPLY/LOGISTICS FUNDAMENTALS (CONT'D)**

107 .12      Discuss the following forms: [ref. i, ch. 3]

- a.    NAVSUP 1250-1/1250-2
- b.    DD 1348
- c.    NAVSUP 1149
- d.    DD 200

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(Signature and Date)

.13      Define the acronyms and state the responsibilities for the following functional outlets: [ref. i, app. A]

- a.    ARP
- b.    CTR
- c.    CSR
- d.    MLO

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(Signature and Date)

.14      Define the following abbreviations and acronyms: [ref. i, app. P]

- a.    NSN
- b.    COG
- c.    APL
- d.    AEL
- e.    NC
- f.    NIS
- g.    SIM

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(Signature and Date)

.15      Discuss the purpose of a Report of Deficiency (ROD) (SF 364) and the Quality Deficiency Report (QDR) (SF 368), including the situation requiring its submission. [ref. i, p. B-12]

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(Signature and Date)

## 108 COMMUNICATIONS/COMMUNICATIONS SECURITY MATERIAL SYSTEMS FUNDAMENTALS

### References:

- [a] OPNAVINST 5510.1H, DON Information and Personnel Security Program Regulation
  - [b] NAVEDTRA 12003, Seabee Combat Handbook, Volume 1
  - [c] NAVEDTRA 12801, Radioman Communications
  - [d] NAVEDTRA 10105, Operations Specialist 3
  - [e] STU III User's Handbook
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- 108.1 Discuss Communications Security (COMSEC) and the role of the Communications Security Material System (CMS) custodian. [ref. c, ch. 7]

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- .2 What is meant by the term Two-Person Integrity (TPI)? [ref. a, ch. 13]

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- .3 Discuss the following terms:

- a. Encryption [ref. c, app. I]
- b. Authentication [ref. c, app. I]
- c. Access [ref. a, ch. 24]
- d. Classification [ref. a, ch. 6]
- e. Compromise [ref. a, ch. 4]
- f. Need to know [ref. a, ch. 23]
- g. Restricted area [ref. a, ch. 13]
- h. Clearance [ref. a, ch. 23]

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- .4 Discuss the proper use of the phonetic alphabet, numerals, and prowords. [ref. b, ch. 11]

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(Signature and Date)

## **108 COMMUNICATIONS/COMMUNICATIONS SECURITY MATERIAL SYSTEMS FUNDAMENTALS (CONT'D)**

108.5 Define the following terms:

- a. Minimize [ref. c, ch. 6]
- b. EFFI [ref. d, ch. 11]
- c. BEADWINDOW [ref. d, ch. 11]
- d. GINGERBREAD [ref. d, ch. 3]

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(Signature and Date)

.6 Discuss the following with respect to frequency and range: [ref. c, ch. 11]

- a. HF
- b. VHF
- c. UHF

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.7 Define the following classification categories: [ref. a, ch. 6]

- a. Confidential
- b. Secret
- c. Top Secret

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(Signature and Date)

.8 Define the term emergency destruction as it applies to: [ref. a, ch. 17]

- a. Communication equipment
- b. CMS

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(Signature and Date)

.9 Discuss the purpose of combat hand and arm signals in the field. [ref. b, ch. 11]

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(Signature and Date)

## **108 COMMUNICATIONS/COMMUNICATIONS SECURITY MATERIAL SYSTEMS FUNDAMENTALS (CONT'D)**

- 108.10 Discuss the three methods of communications in the defense area and which is most dependable. [ref. b, ch. 11]

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(Signature and Date)

- .11 Discuss the factors that affect the capabilities of radio communications. [ref. b, ch. 11]

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(Signature and Date)

- .12 Explain the purpose and use of the STU III telephone. [ref. e]

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(Signature and Date)

**109 WEAPONS FUNDAMENTALS**

## References:

- [a] NAVEDTRA 12003, Seabee Combat Handbook, Volume 1
  - [b] NAVEDTRA 12443, Gunner's Mate
  - [c] FMFM 0-8, Basic Marksmanship
  - [d] TM-1005A-10/1. Operators Manual Pistol Semi-Automatic 9mm M9
- 

109.1 Explain when the safety is moved to the fire position. [ref. a, ch. 3]

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.2 Define the four weapon conditions: [ref. c, ch. 3]

- a. Condition one
- b. Condition two
- c. Condition three
- d. Condition four

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.3 Discuss the precautions required when receiving a weapon. [ref. a, ch. 3]

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(Signature and Date)

.4 Discuss the following terms, hazards, and immediate actions associated with each:  
[ref. a, ch. 3]

- a. Malfunction
- b. Misfire
- c. Cook off
- d. Stoppage

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.5 State the eight steps of operation in a firing cycle. [ref. b, ch. 3]

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## 109 WEAPONS FUNDAMENTALS (CONT'D)

- 109.6 Explain the differences between semiautomatic and automatic operation.  
[ref. a, ch. 3]

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(Signature and Date)

- .7 Define the following terms: [ref. a]
- a. Trajectory [ch. 3]
  - b. Breech [p. AI-2]
  - c. Bore [ch. 3]
  - d. Chamber [ch. 3]
  - e. Muzzle [p. AI-8]
  - f. Muzzle velocity [p. AI-8]
  - g. Maximum range [ch. 3]
  - h. Maximum effective range [ch. 3]

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(Signature and Date)

- .8 Discuss small arms ammunition by using color codes:
- a. Orange or red [ref. a, ch. 3]
  - b. Violet [ref. a, ch. 3]
  - c. Black [ref. a, ch. 13]
  - d. Aluminum [ref. a, ch. 13]
  - e. Green [ref. c, app. A]

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(Signature and Date)

- .9 State the weapons covered in the Seabee Combat Handbook. [ref. a, chs. 3, 12, 13]

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(Signature and Date)

- .10 State the maximum range, maximum effective range, purpose/tactical employment, types of fire and types of ammunition of the following weapons:
- a. 9mm pistol [ref. d, ch. 1]
  - b. M-16 rifle [ref. a, ch. 3]
  - c. M203 grenade launcher [ref. a, ch. 13]

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(Signature and Date)

## **109 WEAPONS FUNDAMENTALS (CONT'D)**

109.11 Describe and discuss the six types of grenades: [ref. a, ch. 12]

- a. Fragmentation
- b. Illuminating
- c. Chemical
- d. Incendiary
- e. Smoke
- f. Practice/training

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(Signature and Date)

.12 Discuss hand grenade safety procedures. [ref. a, ch. 12]

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(Signature and Date)

.13 Discuss the placement, arming, safety requirements, coverage, and methods of firing the Claymore mine. [ref. a, ch. 12]

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(Signature and Date)

.14 Discuss loading/unloading procedures for the following weapons:

- a. 9mm pistol [ref. b, ch. 3]
- b. M-16 rifle [ref. a, ch. 3]
- c. M203 grenade launcher [ref. a, ch. 13]

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(Signature and Date)



## 110 GENERAL MILITARY TACTICS FUNDAMENTALS

### References:

- [a] NAVEDTRA 12003, Seabee Combat Handbook, Volume 1
  - [b] NAVEDTRA 12004, Seabee Combat Handbook, Volume 2
  - [c] The Bluejackets' Manual 21<sup>st</sup> Edition
- 

110.1 State the standard issue of 782 gear. [ref. a, ch. 2]

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(Signature and Date)

.2 Describe the construction and the elements of the following dug-in emplacements:  
[ref. a, ch. 7]

- a. A hasty/skirmisher's position
- b. An improved one man fighting position
- c. An improved two man fighting position

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(Signature and Date)

.3 Explain the general rules of camouflage and how they apply to: [ref. a, ch. 7]

- a. Fighting position
- b. Personal equipment
- c. Individual
- d. Vehicles
- e. Buildings
- f. Supply points
- g. Water points

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(Signature and Date)

.4 Discuss cover and concealment. [ref. a, ch. 7; ref. b, ch. 4]

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(Signature and Date)

.5 State what action should be taken if you are caught in the light of a ground flare and overhead flare. [ref. a, ch. 4]

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(Signature and Date)

## **110 GENERAL MILITARY TACTICS FUNDAMENTALS (CONT'D)**

110.6 Discuss the military aspects of terrain as it applies to a defensive force. [ref. b, ch. 5]

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(Signature and Date)

.7 Explain the procedures to orient a map utilizing a lensatic compass. [ref. a, ch. 5]

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(Signature and Date)

.8 State the five basic colors used and how are they applied to a military map.  
[ref. a, ch. 5]

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(Signature and Date)

.9 Describe the grid system utilized on all military maps. [ref. a, ch. 5]

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(Signature and Date)

.10 Discuss the use and care of the following: [ref. a, ch. 5]

- a. Topographic map
- b. Lensatic compass

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(Signature and Date)

.11 Discuss the five paragraph order. [ref. a, ch. 11]

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(Signature and Date)

.12 Define and discuss the following reports: [ref. b, ch. 2]

- a. Salute
- b. Spot

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(Signature and Date)

.13 Describe the purpose of a security and reconnaissance patrol. [ref. a, ch. 4]

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(Signature and Date)

## **110      GENERAL MILITARY TACTICS FUNDAMENTALS (CONT'D)**

110.14      State the twelve patrol planning and preparation steps. [ref. a, ch. 4]

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(Signature and Date)

.15      Discuss the priorities of establishing a defense. [ref. b, ch. 4]

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(Signature and Date)

.16      Discuss the three echelons of a defense. [ref. b, ch. 4]

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(Signature and Date)

.17      Define and discuss the following: [ref. a]

- a.      Call for fire for indirect weapon support [ch. 14]
- b.      Fire commands for direct weapon support [ch. 3]

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(Signature and Date)

.18      Discuss the three combat positions on an individual fire plan sketch. [ref. b, ch. 4]

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(Signature and Date)

.19      Discuss sectors of fire and fire discipline. [ref. b, ch. 4]

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(Signature and Date)

.20      Describe the duties and responsibilities of the following members of a squad:  
[ref. a, ch. 1]

- a.      Squad leader
- b.      Grenadier
- c.      Fire team leader
- d.      Automatic rifleman
- e.      Rifleman number 1
- f.      Rifleman number 2

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(Signature and Date)

## **110      GENERAL MILITARY TACTICS FUNDAMENTALS (CONT'D)**

110.21      Discuss an individual's responsibilities under the Code of Conduct. [ref. a, ch. 1]

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(Signature and Date)

.22      Describe the procedures for handling detainees/Enemy Prisoner of War (EPW).  
[ref. a, ch. 1]

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(Signature and Date)

.23      Describe circumstances when deadly force would normally be authorized.  
[ref. c]

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(Signature and Date)

.24      State the eleven general orders of a sentry. [ref. c]

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(Signature and Date)

.25      Describe the three classes of wire entanglement. [ref. a, ch. 8]

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(Signature and Date)

.26      State the purpose of the following: [ref. a, ch. 8]

- a.    Triple standard concertina fence
- b.    Double-apron fence
- c.    Low wire entanglement (tanglefoot)

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(Signature and Date)

.27      Discuss the following actions when isolated in an enemy area: [ref. a, ch. 6]

- a.    Evasion
- b.    Survival
- c.    Escape

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(Signature and Date)

## **110      GENERAL MILITARY TACTICS FUNDAMENTALS (CONT'D)**

110.28      Discuss the following basic fire team formations: [ref. a, ch. 4]

- a.      Column
- b.      Wedge
- c.      Skirmishers (right or left)
- d.      Echelon (right or left)

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(Signature and Date)

.29      Discuss the fundamentals of a successful ambush. [ref. a, ch. 4]

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(Signature and Date)

.30      Discuss ambush defense and action on contact. [ref. b, ch. 5]

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(Signature and Date)

.31      Discuss countersigns. [ref. a, ch. 11]

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(Signature and Date)

## 111 CONTINGENCY OPERATIONS FUNDAMENTALS

### References:

- [a] NAVFAC P-437, Planning Guide for Navy Facilities, Volume 1
  - [b] COMCBPAC/COMCBLANT Instruction 11014.2, Maintenance Management Program for Naval Construction Force (NCF) Camps
  - [c] NAVEDTRA 12532, Utilitiesman 3
  - [d] NAVEDTRA 10662, Utilitiesman 2
  - [e] NAVEDTRA 12543, Naval Construction Force, Seabee 1 & C
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111.1 Explain the fundamentals of a tent camp layout in relation to the following:  
[ref. a; ch. c, ch. 10]

- a. Latrines from messing facilities
- b. Latrines from water supplies
- c. Garbage pits from water supplies
- d. Garbage pits from messing facilities

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(Signature and Date)

.2 Discuss the purpose of leach fields. [ref. c, ch. 7]

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(Signature and Date)

.3 Discuss the following as it pertains to camp maintenance: [ref. b]

- a. Trouble desk [ch. 1]
- b. Three types of work [ch. 3]
- c. Operators [ch. 4]
- d. Inspections [ch. 4]

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(Signature and Date)

## **111      CONTINGENCY OPERATIONS FUNDAMENTALS (CONT'D)**

111.4      Discuss the following: [ref. d, ch. 5]

- a.      Potable water
- b.      Non-potable water
- c.      Chlorination
- d.      Super Chlorination

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(Signature and Date)

.5      Discuss the three parts of the Advanced Base Functional Component (ABFC) system and explain their relationships. [ref. e, ch. 4]

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(Signature and Date)

## 112 CHEMICAL, BIOLOGICAL, AND RADIOLOGICAL WARFARE FUNDAMENTALS

### References:

- [a] NAVEDTRA 12043, Basic Military Requirements
  - [b] NAVEDTRA 10572, Damage Controlman 3 & 2
  - [c] NAVEDTRA 12004, Seabee Combat Handbook, Volume 2
  - [d] TO14P4-15-1, Chemical Biological Mask Type MCU-2P
  - [e] NAVEDTRA 12003, Seabee Combat Handbook, Volume 1
  - [f] FM 3-4, NBC Protection
  - [g] NAVMED P-5041, Treatment of Chemical Agent Casualties and Conventional Military Chemical Injuries
  - [h] FM 3-3, Chemical and Biological Contamination Avoidance
  - [i] FM 3-5, NBC Decontamination
  - [j] FM 3-100, NBC Operations
- 

112.1 Explain the following: [ref. a, ch. 16]

- a. Chemical warfare
- b. Biological warfare
- c. Radiological warfare
- d. Routes by which agents enter the body

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(Signature and Date)

.2 Describe the purpose of the following: [ref. a, ch. 16]

- a. MCU-2/P
- b. Chemical protective overgarment
- c. Wet-weather clothing
- d. Atropine/Pralidoxime Chloride (Oxime)
- e. Pocket dosimeter

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(Signature and Date)

.3 Explain the six types of chemical warfare agents and their physical symptoms.  
[ref. a, ch. 16]

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(Signature and Date)



## 112      **CHEMICAL, BIOLOGICAL, AND RADIOLOGICAL WARFARE FUNDAMENTALS (CONT'D)**

112.4      Describe the following types of nuclear explosions: [ref. a, ch. 16]

- a.    Air burst
- b.    Surface burst
- c.    Underwater burst

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(Signature and Date)

.5      Describe the following effects of nuclear explosions:

- a.    Blast [ref. b, ch. 8]
- b.    Burns [ref. a, ch. 16]
- c.    Nuclear radiation [ref. b, ch. 8]
- d.    Electromagnetic Pulse (EMP) phenomenon [ref. b, ch. 8]

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(Signature and Date)

.6      Define Mission Oriented Protective Posture (MOPP) and discuss the levels.  
[ref. f, ch. 2]

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(Signature and Date)

.7      Describe the correct procedures for inspecting, maintaining, and donning the  
chemical protective ensemble. [ref. c, ch. 6; ref. d, sec. 1]

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(Signature and Date)

.8      Describe the colors and markings on the NATO biological, chemical, and  
radiological marker signs. [ref. e, ch. 9]

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(Signature and Date)

.9      Describe the color that the M-9 chemical agent detector paper turns after it comes in  
contact with a liquid nerve or blister agent. [ref. e, ch. 9]

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(Signature and Date)

## **112      CHEMICAL, BIOLOGICAL, AND RADIOLOGICAL WARFARE FUNDAMENTALS (CONT'D)**

112.10    Explain the following as it applies to nerve agents: [ref. g, sec. F]

- a.    Symptoms
- b.    Contents of Nerve Agent Antidote Kit (NAAK) MK 1
- c.    Treatment (self and buddy aid)

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(Signature and Date)

.11    Describe the steps and procedures in utilizing the M258A1 and M291 decontamination kits. [ref. e, ch. 9]

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(Signature and Date)

.12    State how long the Chemical Protective Overgarment (CPO) suit will provide protection from chemical agents once they are removed from the packaging under the following conditions: [ref. c, ch. 6]

- a.    Exposed to chemical agents
- b.    Not exposed to chemical agents

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(Signature and Date)

.13    Discuss the following types decontamination: [ref. c, ch. 6]

- a.    Immediate
- b.    Operational
- c.    Thorough

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(Signature and Date)

.14    Discuss the procedure for setting up a personnel decontamination station. [ref. c, ch. 6]

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(Signature and Date)

## 112      **CHEMICAL, BIOLOGICAL, AND RADIOLOGICAL WARFARE FUNDAMENTALS (CONT'D)**

112.15      Discuss the duties and responsibility of the following CBR team: [refs. i, j]

- a.    Personal DECON
- b.    Vehicle DECON
- c.    Survey/monitor team

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(Signature and Date)

.16      State the purpose and the optimum location of the M8A1 chemical alarm.  
[ref. e, ch. 9]

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(Signature and Date)

.17      Explain the three types of CBR surveys and their uses. [ref. h, ch. 5]

---

(Signature and Date)

.18      Describe what type of standard decontamination reacts violently with liquid mustard agent? [ref. i, app. D]

---

(Signature and Date)

.19      Discuss the following as it relates to CBR: [ref. j]

- a.    Pre-attack actions [ch. 2]
- b.    Attack [ch. 3]
- c.    After-attack [ch. 4]

---

(Signature and Date)

## 113 EMBARKATION FUNDAMENTALS

### References:

- [a] NAVEDTRA 12543, Naval Construction Force/Seabee 1 & C
  - [b] COMCBPAC/COMCBLANT/COMRNCFINST 3120.1A, Embarkation Manual
  - [c] AMC Pamphlet 36-1, AMC Affiliation Program Airlift Planners Guide
  - [d] NAVFAC P-315, Naval Construction Force Manual
- 

- 113.1 Describe the organization and makeup of an air detachment, air echelon and sea echelon, and state their required deployable time frames. [ref. d, app. G]

\_\_\_\_\_  
(Signature and Date)

- .2 Explain the operations of the Mount Out Control Center (MOCC). [ref. a, ch. 4]

\_\_\_\_\_  
(Signature and Date)

- .3 Define the following as applied to embarkation: [ref. c, attachment 1]

- a. ACL
- b. ALCE
- c. Marshalling
- d. AACG
- e. DACG

\_\_\_\_\_  
(Signature and Date)

- .4 Describe how equipment and cargo are to be prepared for air/sea movement.  
[ref. c, ch. 3]

\_\_\_\_\_  
(Signature and Date)

- .5 State the four types of AMC organic aircraft and their primary use and mission.  
[ref. c, chs. 14 thru 16, 19]

\_\_\_\_\_  
(Signature and Date)

## **113 EMBARKATION FUNDAMENTALS (CONT'D)**

- 113.6 State the six essential convoy personnel positions and their duties and responsibilities that are to be considered for a unit movement. [ref. b, ch. 10]

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(Signature and Date)

- .7 Explain the three color classifications used to determine convoy road routes. [ref. b, ch. 10]

---

(Signature and Date)

- .8 What factors determine the speed at which a convoy will move? [ref. b, ch. 10]

---

(Signature and Date)

- .9 Describe the different types of cargo containers that may be used for unit movements. [ref. b, ch. 12]

---

(Signature and Date)

## 114 CIVIL ENGINEER SUPPORT EQUIPMENT (CESE) FUNDAMENTALS

### References:

- [a] NAVFAC P-300, Management of Civil Engineering Support Equipment
  - [b] COMSECONDCB/COMTHIRDCBINST 11200.1, Naval Mobile Construction Battalion Equipment Management
  - [c] NAVEDTRA 12535, Equipment Operator, Basic
  - [d] NAVEDTRA 12004, Seabee Combat Handbook, Volume 2
- 

114.1 Discuss the following terms: [ref. b]

- a. CESE
- b. MHE
- c. WHE
- d. POL

\_\_\_\_\_  
(Signature and Date)

.2 Explain the importance of proper operator equipment maintenance and operation.  
[ref. c, ch. 6]

\_\_\_\_\_  
(Signature and Date)

.3 Explain the procedures in filling out and submitting an operator's inspection guide, trouble report (hardcard), and vehicle trip ticket. [ref. c, ch. 6]

\_\_\_\_\_  
(Signature and Date)

.4 Explain the difference between organic and augment CESE and how they are identified. [ref. b, chs. 1, 3]

\_\_\_\_\_  
(Signature and Date)

.5 State the purpose of a Standard Form 91. [ref. c, ch. 6]

\_\_\_\_\_  
(Signature and Date)

## **114      CIVIL ENGINEER SUPPORT EQUIPMENT (CESE) (CONT'D)**

114.6      Explain where you would obtain specific information for operating CESE in extreme environments. [ref. a, ch. 2]

---

.7      Describe how to combat-harden personnel carrier vehicle. [ref. d, ch. 5]

---

(Signature and Date)

**115 OPERATIONAL RISK MANAGEMENT FUNDAMENTALS**

References:

[a] OPNAVINST 3500.39, Operational Risk Management

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115.1 Discuss the concept of Operational Risk Management (ORM).

\_\_\_\_\_  
(Signature and Date)

.2 Explain the following terms as it applies to ORM:

- a. Identify hazards
- b. Assess hazards
- c. Make risk decisions
- d. Supervise

\_\_\_\_\_  
(Signature and Date)





## 300 INTRODUCTION TO WATCHSTATIONS

### 300.1 INTRODUCTION

The Watchstation section of your PQS is where you get a chance to demonstrate to your Qualifier that you can put the knowledge you have gained in the previous sections to use. It allows you to practice the tasks required for your watchstation and to handle abnormal conditions and emergencies. Before starting your assigned tasks, you must complete the prerequisites that pertain to the performance of that particular task. Satisfactory completion of all prerequisites is required prior to achievement of final watchstation qualification.

### 300.2 FORMAT

Each watchstation in this section contains:

- A FINAL QUALIFICATION PAGE, which is used to obtain the required signatures for approval and recording of Final Qualification.
- PREREQUISITES, which are items that must be certified completed before you can begin qualification for a particular watchstation. Prerequisites may include schools, watchstation qualifications from other PQS books, and fundamentals, systems, or watchstation qualifications from this book. Prior to signing off each prerequisite line item, the Qualifier must verify completion from existing records. Record the date of actual completion, not the sign-off date.

### 300.3 OPERATING PROCEDURES

The PQS deliberately makes no attempt to specify the procedures to be used to complete a task or control or correct a casualty. The only proper sources of this information are the appropriate technical manuals. Additionally, the level of accuracy required of a trainee may vary from school to school and unit to unit based upon such factors as mission requirements. Thus, proficiency may be confirmed only through demonstrated performance at a level of competency sufficient to satisfy the Commanding Officer.

## 300 INTRODUCTION TO WATCHSTATIONS (CONT'D)

### 300.4 DISCUSSION ITEMS

Though actual performance of evolutions is always preferable to observation or discussion, some items listed in each watchstation may be too hazardous or time consuming to perform or simulate. Therefore, you may be required to discuss such items with your Qualifier.

### 300.5 NUMBERING

Each Final Qualification is assigned both a watchstation number and a NAVEDTRA Final Qualification number. The NAVEDTRA number is to be used for recording qualifications in service and training records.

### 300.6 HOW TO COMPLETE

After completing the required prerequisites applicable to a particular task, you may perform the task under the supervision of a qualified watchstander. If you satisfactorily perform the task and can explain each step, your Qualifier will sign you off for that task. After all line items have been completed, your Qualifier will verify Final Qualification by signing and dating the Final Qualification pages.

**301 SEABEE COMBAT WARFARE (SCW), COMMON CORE**

NAME \_\_\_\_\_ RATE/RANK \_\_\_\_\_

This page is to be used as a record of satisfactory completion of designated sections of the Personnel Qualification Standard (PQS). Only specified supervisors may signify completion of applicable sections either by written or oral examination, or by observation of performance. The examination or checkout need not cover every item; however, a sufficient number should be covered to demonstrate the examinee's knowledge. Should supervisors *give away* their signatures, unnecessary difficulties can be expected in future routine operations.

This qualification section is to be kept in the individual's training jacket.

---

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified SEABEE COMBAT WARFARE (SCW), COMMON CORE (NAVEDTRA 43904).

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Supervisor/Company ChiefRECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Training DepartmentQUALIFIED \_\_\_\_\_ DATE \_\_\_\_\_  
Commanding Officer or Command Master Chief

SERVICE RECORD ENTRY \_\_\_\_\_ DATE \_\_\_\_\_



Estimated completion time: 6 months

---

301.1 PREREQUISITES

**FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING PQS ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT MUST BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.**

301.1.1 CORRESPONDENCE COURSES:

NAVEDTRA 12003, Seabee Combat Handbook, Volume 1  
NAVEDT RA 12004, Seabee Combat Handbook, Volume 2  
NAVEDTRA 12543, Naval Construction Force/Seabee 1 & C  
NAVEDTRA 12971, Naval Safety Supervisor

Completed \_\_\_\_\_  
(Qualifier and Date)

.2 COURSES OR CERTIFICATION:

Basic Life Support-Adult Certification

Completed \_\_\_\_\_  
(Qualifier and Date)

.3 FUNDAMENTALS FROM THIS PQS:

102 Naval Heritage and Doctrine

Completed \_\_\_\_\_ 7% of Watchstation  
(Qualifier and Date)

103 Administrative Chain of Command

Completed \_\_\_\_\_ 7% of Watchstation  
(Qualifier and Date)

104 General Safety

Completed \_\_\_\_\_ 7% of Watchstation  
(Qualifier and Date)

### **301 SEABEE COMBAT WARFARE (SCW), COMMON CORE (CONT'D)**

#### **301.1.3 105 Basic First Aid and Personal Hygiene**

Completed \_\_\_\_\_ 7% of Watchstation  
(Qualifier and Date)

#### **106 Hazardous Material/Hazardous Waste/Environmental**

Completed \_\_\_\_\_ 7% of Watchstation  
(Qualifier and Date)

#### **107 Supply/Logistics**

Completed \_\_\_\_\_ 7% of Watchstation  
(Qualifier and Date)

#### **108 Communications/Communications Security Material System**

Completed \_\_\_\_\_ 7% of Watchstation  
(Qualifier and Date)

#### **109 Weapons**

Completed \_\_\_\_\_ 8% of Watchstation  
(Qualifier and Date)

#### **110 General Military Tactics**

Completed \_\_\_\_\_ 8% of Watchstation  
(Qualifier and Date)

#### **111 Contingency Operations**

Completed \_\_\_\_\_ 7% of Watchstation  
(Qualifier and Date)

#### **112 Chemical, Biological, and Radiological Warfare**

Completed \_\_\_\_\_ 7% of Watchstation  
(Qualifier and Date)

#### **113 Embarkation**

Completed \_\_\_\_\_ 7% of Watchstation  
(Qualifier and Date)

## **301 SEABEE COMBAT WARFARE (SCW), COMMON CORE (CONT'D)**

301.1.3 114 Civil Engineer Support Equipment

Completed \_\_\_\_\_ 7% of Watchstation  
(Qualifier and Date)

115 Operational Risk Management

Completed \_\_\_\_\_ 7% of Watchstation  
(Qualifier and Date)

### **301.2 EXAMINATIONS**

301.2.1 No examination is required in order to complete SCW Common Core PQS Watchstation 301.

Oral and written testing of the material contained in this Common Core PQS Manual will occur in conjunction with the testing required in a SCW Unit/Type Specific PQS Manual associated with this PQS series.





## **LIST OF REFERENCES USED IN THIS PQS**

1080#4 UM-01, Enlisted Distribution and Verification Report Users Manual  
AMC Pamphlet 36-1, AMC Affiliation Program Airlift Planners Guide  
Bluejackets' Manual 21<sup>st</sup> Edition  
BUPERSINST 1610.10, Evaluation and Fitness Reports  
Code of Federal Regulation Part 29  
COMCBPAC.COMCBLANT/COMRNCFINST 3120.1A, Embarkation Manual  
COMCBPAC/COMCBLANT Instruction 11014.2, Maintenance Management Program for Naval Construction Force (NCF) Camps  
COMNAVSURFLANT/COMNAVSURFPACINST 4400.1H, Surface Force Supply Procedures  
COMSECONDNCB/COMTHIRDNCBINST 11200.1, Naval Mobile Construction Battalion Equipment Management  
COMSECONDNCB/COMTHIRDNCBINST 3300.1, Rapid Runway Repair (RRR) Operations  
COMSECONDNCB/COMTHIRDNCBINST 4400.3 NCF Supply Manual  
Department of the Army, TM 11-5820-890-10-1, Operators Manual Sincgars Ground Combat Net Radio  
FM 3-100, NBC Operations  
FM 3-3, Chemical and Biological Contamination Avoidance  
FM 3-5, NBC Decontamination  
FM 5-277, Bailey Bridge  
FM3-4, NBC Protection  
FMFM 0-8, Basic Marksmanship  
Hazardous Inventory Control System  
Marine Corps TM 08676A-10/1-1, Medium Girder Bridge  
Naval Doctrine Publication, 1 Naval Warfare  
Naval Doctrine Publication, 5 Naval Planning  
NAVEDTRA 10047, Military Requirements for Chief Petty Officer  
NAVEDTRA 10105, Operations Specialist 3  
NAVEDTRA 10269-K1, Storekeeper 3 & 2  
NAVEDTRA 10572, Damage Controlman 3 & 2  
NAVEDTRA 10662, Utilitiesman 2  
NAVEDTRA 10669-C, Hospital Corpsman 3 & 2  
NAVEDTRA 12003, Seabee Combat Handbook, Volume 1  
NAVEDTRA 12043, Basic Military Requirements  
NAVEDTRA 12443, Gunner's Mate  
NAVEDTRA 12532, Utilitiesman 3  
NAVEDTRA 12535, Equipment Operator, Basic  
NAVEDTRA 12605, Legalman  
NAVEDTRA 12652, Storekeeper 1 & C  
NAVEDTRA 12801, Radioman Communications  
NAVEDTRA 12971, Naval Safety Supervisor  
NAVFAC MT-9-CE-3-023-02, Roll On/Roll Off Discharge Facility  
NAVFAC P-300, Management of Civil Engineering Support Equipment  
NAVFAC P-315, Naval Construction Force Manual  
NAVFAC P-401, Pontoon Assembly Handbook  
NAVFAC P-405, Seabee Planner's and Estimator's Handbook  
NAVFAC P-437, Planning Guide for Navy Facilities

## **LIST OF REFERENCES USED IN THIS PQS (CONT'D)**

NAVFAC P-1107, Seabee Skills Assessment Program  
NAVFAC TM-15-CE-061-154.01, Amphibious Bulk Fuel/Water  
NAVMED P-5041, Treatment of Chemical Agent Casualties and Conventional Military Chemical Injuries  
NAVPERS 15550, Naval Military Personnel Manual  
NAVSEA T9540-AE-OMI-010, Offshore Petroleum Discharge System  
NAVSUP P 485, Afloat Supply Procedures Manual  
NAVSUP P 487, Ships Store Afloat  
NAVSUP Publication 485 (Rev. 2), Afloat Supply Procedures  
NWP 10-1-10(A), Operational Reports  
NWP 10-1-11, Status of Resources and Training System (SORTS)  
OPNAVINST 1306.2, Fleet, Force, and Command Master Chief Program  
OPNAVINST 3100.6F, Special Incident Reporting  
OPNAVINST 3500.39, Operational Risk Management  
OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat  
OPNAVINST 5100.23D, Navy Occupational Safety and Health (NAVOSH) Program Manual  
OPNAVINST 5510.1H, DON Information and Personnel Security Program Regulation  
P P 486, Food Service Management – General Messes  
Seabee Crewleader's Handbook  
SECNAVINST 5216.5D, Correspondence Manual  
TM-1005A-10/1, Operators Manual Pistol Semi-Automatic 9mm M9  
TO14P4-15-1, Chemical Biological Mask Type MCU-2P

## Personal Qualification Standard Feedback Report

From \_\_\_\_\_ Date \_\_\_\_\_

Via \_\_\_\_\_ Date \_\_\_\_\_

Department Head

Activity \_\_\_\_\_

Mailing Address \_\_\_\_\_

DSN \_\_\_\_\_

PQS Title \_\_\_\_\_ NAVEDTRA \_\_\_\_\_

Section Affected \_\_\_\_\_

Page Number(s) \_\_\_\_\_

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Remarks/Recommendations (Use additional sheets if necessary):

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